

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q80899

Takashi UDAGAWA

Appln. No.: National Stage of PCT/JP2005/006534

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: September 28, 2006

Examiner: Unknown

For: COMPOUND SEMICONDUCTOR DEVICE, PRODUCTION METHOD OF
COMPOUND SEMICONDUCTOR DEVICE AND DIODE

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

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filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents (International Search Report for PCT/JP2005/006534 and Written Opinion of the International Searching Authority dated June 21, 2005), together with an English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office. Also, in compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, U.S. Patent No. 5,228,044, U.S. Patent No. 5,387,804, U.S. Patent No. 5,063,421, U.S. Patent No. 5,076,860, U.S. Patent No. 5,042,043, U.S. Patent No. 5,005,057, and EP 1 109 208 correspond to JP 4-84486, JP 2-177577, JP 2-46779, JP 2-275682, JP 2-288388, JP 2-288371, and JP 2001-176804, respectively.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: September 28, 2006

Substitute for Form 1449 A & B/PTO				Application Number Confirmation Number Filing Date First Named Inventor Art Unit Examiner Name Attorney Docket Number	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				National Stage of PCT/JP2005/006534 Unknown September 28, 2006 Takashi UDAGAWA Unknown Q80899	
Sheet	1	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 2001/0012678	A1	08/09/2001	SATORU TANAKA, ET AL
		US 5,228,044	A	07/13/1993	YASUO OHBA
		US 5,387,804	A	02/07/1995	AKIRA SUZUKI, ET AL
		US 5,063,421		11/05/1991	AKIRA SUZUKI, ET AL
		US 5,076,860		12/31/1991	YASUO OHBA, ET AL
		US 5,042,043		08/20/1991	AKO HATANO, ET AL
		US 5,005,057		04/02/1991	TOSHIHIDE IZUMIYA, ET AL
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	2004-47847	A	02/12/2004	SHOWA DENKO K.K.	Abstract
		JP	2003-303779	A	10/24/2003	SHOWA DENKO K.K.	Abstract
		EP	1 109 208	A2	06/20/2001	RIKEN	
		JP	2001-176804	A	06/29/2001		Abstract
		WO	2003/065465	A2	08/07/2003	SHOWA DENKO K.K.	
		JP	2003-229599	A	08/15/2003		Abstract
		JP	2004-153168	A	05/27/2004	SHOWA DENKO K.K.	Abstract
		JP	2004-119423	A	04/15/2004	SHOWA DENKO K.K.	Abstract
		JP	2004-165564	A	06/10/2004	SHOWA DENKO K.K.	Abstract
		WO	02/097861	A2	12/05/2002	SHOWA DENKO K.K.	
		JP	4-84486	A	03/17/1992		Abstract
		JP	55-3834	B2	01/26/1980		Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		T. L. CHU, ET AL, "CRYSTAL AND EPITAXIAL LAYERS OF BORON PHOSPHIDE", JOURNAL OF APPLIED PHYSICS, VOL. 42, NO. 1, January 1991, PAGES 420-424	
		IWAO TERAMOTO, "INTRODUCTION OF SEMICONDUCTOR DEVICE", BAIHUKAN, March 30, 1995, PAGE 28	
		SIR PETER HIRSCH, ET AL, "ELECTRON MICROSCOPY OF THIN CRYSTAL", (USA), KRIEGER PUB. COM., 1977, PAGES 141-148	

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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

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Substitute for Form 1449 A & B/PTO <u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u> (use as many sheets as necessary)				Application Number		National Stage of PCT/JP2005/006534	
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				Filing Date		September 28, 2006	
				First Named Inventor		Takashi UDAGAWA	
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				Examiner Name			
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		Number	Kind Code ² (if known)		
		US			
		US			
		US			
		US			
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	60-207332	A	10/18/1985	MATSUSHITA ELECTRONIC IND. CO. LTD.	Abstract
		JP	2-177577	A	07/10/1990		Abstract
		JP	2-46779	A	02/16/1990		Abstract
		JP	2-275682	A	11/09/1990		Abstract
		JP	2-288388	A	11/28/1990		Abstract
		JP	2-288371	A	11/28/1990		Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Y. KUMASIRO, ET AL, "PREPARATION AND ELECTRICAL PROPERTIES OF BORON AND BORON PHOSPHIDE FILMS OBTAINED BY GAS SOURCE MOLECULAR BEAM DEPOSITION", JOURNAL OF SOLID STATE CHEMISTRY, VOL. 133, 1997, PAGES 269-272	
		YUKINOBU KUMASHIRO, "ELECTRIC REFRACTORY MATERIALS", (USA), MARCEL DEKKER INC., 2000, PAGES 409-411	

Examiner Signature		Date Considered	
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